

IN THE SPECIFICATION:

Page 3, please amend the paragraph beginning at line 5 as follows:

In order to compensate the error magnetic field caused by a manufacturing error of the magnet, a ~~seam~~-shim-coil group is provided on the NMR magnet. In the NMR magnet, there is also contained a coil for compensating the axis-unsymmetrical error magnetic field. However, the magnitude of the error magnetic field caused by the non-symmetry of the magnet is generally greater than the magnitude of the error magnetic field caused by a manufacturing error of the magnet. In consequence, the size of the coil for compensating the magnetic field considerably increases.

Page 7, please amend the paragraph beginning at line 5 as follows:

A first embodiment of the invention is shown in Fig. 1. A superconductivity wire is wound around coaxial multiple bobbins 3 to form coaxial multiple layer superconductivity coils 2. The first superconductivity -coil block 4 (hereafter it's abbreviated as the first block 4) is configured by forming the superconductivity coils 2 into such a coaxial multi-layer structure. The second superconductivity-coil block 5 (hereafter it's abbreviated as the second block 5) is placed so as to face the first block 4. The configuration of the second block 5 is the same as that of the first block 4. The first block 4 and the second block 5 are arranged in the state of facing mutually so that the axes of magnetic fields generated by their respective coils coincide on the direction, and there is a gap between the blocks 4 and 5. The direction of the axis 11 of the magnetic field is also the direction of the axis of each coil. A split-type electromagnet 6 is configured by joining the first block 4 and the second block 5 in the direction of their axes. Although the first block 4 having five layer superconductivity coils is drawn on Fig1, it is by reason of the convenience for drawing the figure, in actuality, the first block 4 comprises ten layer superconductivity coils2. The configuration of the second block 5 is also the same as that of the first

block 4. In both blocks 4 and 5, seven inside layers of ten layer superconductivity coils are composed of a compound superconductivity wire each made of Nb_3Sn , and the remaining three outside layers are composed of a compound superconductivity wire each made of an NbTi alloy. The reason the coils are deliberately made of two different kinds of superconductivity wire material as described above, is that the inside coils close to the center of the magnet consist of a material generating a large critical magnetic field, and that the outside coils consist of a material having a large mechanical strength. On the outer side of the ten layer coils, a ~~seam~~shim coil not shown in the figure is further provided for compensating an error magnetic field caused by manufacturing errors of the coils. For example the split-type electromagnet 6 has an external diameter of 1,200 mm.

Page 12, please amend the paragraph beginning at line 16 as follows:

The magnet in this embodiment is capable of generating a magnetic field having a magnetic-field strength of 14.1 teslas while suppressing the strength of the error magnetic field into a value not greater than 1 ppb inside a 20-mm spherical surface. And the effect can be achieved without noticeably increasing the magnetic-field compensation power of a ~~seam~~shim coil for compensating error magnetic field caused by manufacturing errors and the magnetic-field compensation power of a current ~~seam~~shim placed inside a bore at a normal temperature.

Page 14, please amend the paragraph beginning at line 1 as follows:

This embodiment can provide coil bobbins capable of suppressing the error magnetic field unsymmetrical while having a mechanical strength against hoop forces of the coils. As a result, the magnet implemented by this embodiment is capable of generating a magnetic field having a magnetic-field strength of 14.1 teslas while suppressing the strength of the error field to a value not greater than 1 ppb

inside a 20-mm spherical surface. The effects are achieved without noticeably increasing the magnetic-field compensation power of a ~~seam~~shim system for compensating the error magnetic field caused by manufacturing errors, and without increasing the magnetic-field compensation power of a current ~~seam~~shim placed inside a bore at a normal temperature.